L Number	Hits	Search Text	DB	Time stamp
1	1308	VERSION WITH DIRECTOR$3	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:39
2	548	(VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:39
3	88	((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND TRACK WITH VERSION	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:39
4	88	((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:40
5	4	(((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND (TRAVERS$3 WITH PATH)	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:43
6	81	(((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:44
7	60	((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:44
8	32	(((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) AND "SOFTWARE PRODUCT"	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:44
9	32	(((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) AND "SOFTWARE PRODUCTS"	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:54
10	28	(((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) NOT ((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) AND "SOFTWARE PRODUCTS")	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:57
11	26	((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) NOT ((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) AND "SOFTWARE PRODUCTS")) AND TREE	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:57
12	41	((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) NOT (((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) AND "SOFTWARE PRODUCTS")) NOT (((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) NOT (((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) AND "SOFTWARE PRODUCTS")) AND TREE)	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:58

| 13 | 22 | (((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) NOT ((((((VERSION WITH DIRECTOR$3) AND UPDAT$3 AND SERVER AND CLIENT) AND (TRACK WITH VERSION)) AND PATH) AND (UPDAT$3 WITH DIRECTOR$3)) AND "SOFTWARE PRODUCTS")) AND TREE) AND LAN | USPAT; US-PGPUB; EPO; IBM_TDB | 2003/10/31 09:58 |

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1 BRS	L1	1308	VERSION WITH DIRECTOR$3	USPA T; US-P GPUB EPO; IBM_ TDB	2003/10/3 1 09:39		0	
2 BRS	L2	548	1 AND UPDAT$3 AND SERVER AND CLIENT	USPA T; US-P GPUB EPO; IBM_ TDB	2003/10/3 1 09:39		0	
3 BRS	L3	88	2 AND TRACK WITH VERSION	USPA T; US-P GPUB EPO; IBM_ TDB	2003/10/3 1 09:39			0
4 BRS	L4	88	2 AND (TRACK WITH VERSION)	USPA T; US-P GPUB EPO; IBM_ TDB	2003/10/3 1 09:40			0

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
5 BRS	L5	4	4 AND (TRAVERS$3 WITH PATH)	USPA T; US-P; GPUB; EPO; IBM_ TDB	2003/10/3 1 09:43			0
6 BRS	L6	81	4 AND PATH	USPA T; US-P; GPUB; EPO; IBM_ TDB	2003/10/3 1 09:44			0
7 BRS	L7	60	6 AND (UPDAT$3 WITH DIRECTOR$3)	USPA T; US-P; GPUB; EPO; IBM_ TDB	2003/10/3 1 09:44			0
8 BRS	L8	32	7 AND "SOFTWARE PRODUCT"	USPA T; US-P; GPUB; EPO; IBM_ TDB	2003/10/3 1 09:44			0

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
BRS	L9	32	7 AND "SOFTWARE PRODUCTS"	USPA T; US-P GPUB EPO; IBM_ TDB	2003/10/3 1 09:54			0
BRS	L10	28	7 NOT 9	USPA T; US-P GPUB EPO; IBM_ TDB	2003/10/3 1 09:57			0
BRS	L11	26	10 AND TREE	USPA T; US-P GPUB EPO; IBM_ TDB	2003/10/3 1 09:57			0
BRS	L12	41	10 NOT 11	USPA T; US-P GPUB EPO; IBM_ TDB	2003/10/3 1 09:58			0

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
BRS	L13	22	11 AND LAN	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 09:58			0

13

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
1	☒	☐	US 2002095454 A1	20020718	126	Communications system	709/201	707/1; 707/10; 707/203; 707/204; 709/212; 709/228; 709/242; 709/244	
2	☐	☐	US 6345288 B1	20020205	121	Computer-based communication system and method using metadata defining a control-structure	709/201	707/10; 707/104.1; 709/200; 709/203; 709/212; 709/216; 709/227; 709/229	
3	☐	☐	US 6088717 A	20000711	128	Computer-based communication system and method using metadata defining a control-structure	709/201	707/10; 707/104.1; 707/203; 707/204; 709/212; 709/227; 709/229; 709/242; 709/244	
4	☐	☐	US 5905990 A	19990518	15	File system viewpath mechanism	707/200	707/203; 707/205	
5	☐	☐	US 5862325 A	19990119	130	Computer-based communication system and method using metadata defining a control structure	709/201	704/270.1; 707/10; 707/203; 707/204; 709/212; 709/228; 709/242; 709/244	
6	☐	☐	US 5440738 A	19950808	24	Method and apparatus for digital data processor file configuration detection	707/6	707/200	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 20020095454	☐
2	Reed, Drummond Shattuck et al.	☒	☐	☐	☐	☐	☐	☐	US 6345288	☐
3	Reed, Drummond Shattuck et al.	☒	☐	☐	☐	☐	☐	☐	US 6088717	☐
4	Inglett, Scott D.	☒	☐	☐	☐	☐	☐	☐	US 5905990	☐
5	Reed, Drummond Shattuck et al.	☒	☐	☐	☐	☐	☐	☐	US 5862325	☐
6	Bowman, Philip B. et al.	☒	☐	☐	☐	☐	☐	☐	US 5440738	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
1	☒	☐	US 20030182322 A1	20030925	37	System and method for storage of snapshot metadata in a remote file	707/201		
2	☒	☐	US 20030182312 A1	20030925	34	System and method for redirecting access to a remote mirrored snapshop	707/200		
3	☒	☐	US 20030028517 A1	20030206	45	System and method for website development	707/1		
4	☒	☐	US 20020144248 A1	20021003	20	Software package management	717/167		
5	☒	☐	US 20020083183 A1	20020627	86	Conventionally coded application conversion system for streamed delivery and execution	709/231	709/224	
6	☒	☐	US 20020064149 A1	20020530	305	System and method for providing requested quality of service in a hybrid network	370/352	370/400	
7	☒	☐	US 20020049697 A1	20020425	69	SYSTEM AND METHOD FOR WEBSITE DEVELOPMENT	707/1		
8	☒	☐	US 20010029605 A1	20011011	20	SOFTWARE PACKAGE MANAGEMENT	717/170		
9	☒	☐	US 6549992 B1	20030415	31	Computer data storage backup with tape overflow control of disk caching of backup data stream	711/162	711/161	707/204; 710/57; 711/161
10	☒	☐	US 6505212 B2	20030107	45	System and method for website development	707/200		707/10; 707/203; 709/203; 709/219

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	Manley, Stephen L. et al.	☐	☐	☐	☐	☐	☐	☐	US 20030182322	☐
2	Chen, Raymond C. et al.	☐	☐	☐	☐	☐	☐	☐		☐
3	Nakano, Russell T. et al.	☐	☐	☐	☐	☐	☐	☐	US 20030028517	☐
4	Forbes, Jonathan A. et al.	☐	☐	☐	☐	☐	☐	☐	US 20020144248	☐
5	Pujare, Sanjay et al.	☐	☐	☐	☐	☐	☐	☐	US 20020083183	☐
6	Elliott, Isaac K. et al.	☐	☐	☐	☐	☐	☐	☐	US 20020064149	☐
7	NAKANO, RUSSELL T. et al.	☐	☐	☐	☐	☐	☐	☐	US 20020049697	☐
8	FORBES, JONATHAN A. et al.	☐	☐	☐	☐	☐	☐	☐	US 20010029605	☐
9	Armangau, Philippe et al.	☐	☐	☐	☐	☐	☐	☐	US 6549992	☐
10	Nakano, Russell T. et al.	☐	☐	☐	☐	☐	☐	☐	US 6505212	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
11	☒	☐	US 6381742 B2	20020430	23	Software package management	717/176	707/203	
12	☒	☐	US 6335927 B1	20020101	376	System and method for providing requested quality of service in a hybrid network	370/352		
13	☒	☐	US 6223343 B1	20010424	36	Computer system and method to track and control element changes throughout application development	717/101	707/203; 717/122	
14	☒	☐	US 6094654 A	20000725	401	Data management system for file and database management	707/8	707/10; 707/102; 707/3; 707/4	
15	☒	☐	US 6088693 A	20000711	399	Data management system for file and database management	707/8	707/1; 707/10; 707/203; 707/3; 707/4	
16	☒	☐	US 6035297 A	20000307	312	Data management system for concurrent engineering	707/8	707/10; 707/203	
17	☒	☐	US 5999525 A	19991207	331	Method for video telephony over a hybrid network	370/352	370/389; 370/392; 379/114.15; 379/90.01; 379/93.07	
18	☒	☐	US 5950201 A	19990907	73	Computerized design automation method using a single logical PFVL paradigm	707/10	700/96; 707/102; 707/203; 707/4; 707/8; 709/201	
19	☒	☐	US 5920873 A	19990706	400	Data management control system for file and database	707/202	707/201; 707/203; 707/204	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
11	Forbes, Jonathan A. et al.	☐	☐	☐	☐	☐	☐	☐	US 6381742	☐
12	Elliott, Isaac K. et al.	☐	☐	☐	☐	☐	☐	☐	US 6335927	☐
13	Hopwood, Rene S. et al.	☐	☐	☐	☐	☐	☐	☐	US 6223343	☐
14	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐	US 6094654	☐
15	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐		☐
16	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐		☐
17	Krishnaaswamy, Sridhar et al.	☐	☐	☐	☐	☐	☐			☐
18	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐		☐
19	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐		☐

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
20	☒ ☐	US 5920867 A	19990706	3B	Data management system having data management configuration	707/101	707/203; 707/8	
21	☒ ☐	US 5878408 A	19990302	73	Data management system and process	707/1	707/200	
22	☒ ☐	US 5867495 A	19990202	244	System, method and article of manufacture for communications utilizing calling, plans in a hybrid network	370/352	370/389; 370/392; 379/11; 379/115.01; 379/90.01; 379/93.07	
23	☒ ☐	US 5867494 A	19990202	379	System, method and article of manufacture with integrated video conferencing billing in a communication system architecture	370/352	370/389; 370/392; 379/114.15; 379/90.01; 379/93.07	
24	☒ ☐	US 5864875 A	19990126	224	Data management system for problems, releases and parts	707/200	707/10; 707/201; 707/203; 707/8	
25	☒ ☐	US 5826265 A	19981020	389	Data management system having shared libraries	707/8	707/10; 707/102; 707/3; 707/4; 707/9	
26	☒ ☐	US 5812130 A	19980922	113	Data management system and method for concurrent engineering	345/764	399/81; 707/3	
27	☒ ☐	US 5608865 A	19970304	84	Stand-in Computer file server providing fast recovery from computer file server failures	714/1	707/200; 714/6	
28	☒ ☐	US 4853843 A	19890801	45	System for merging virtual partitions of a distributed database	707/203	707/202	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
20	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐		☐
21	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐		☐
22	Elliott, Isaac K. et al.	☐	☐	☐	☐	☐	☐	☐		☐
23	Krishnaswamy, Sridhar et al.	☐	☐	☐	☐	☐	☐			☐
24	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐	US 5864875	☐
25	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐			☐
26	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐			☐
27	Midgely, Christopher W. et al.	☐	☐	☐	☐	☐	☐	☐	US 5608865	☐
28	Ecklund, Denise J.	☐	☐	☐	☐	☐	☐	☐		☐

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
☒	☐	US 20020150094 A1	20021017	69	Hierarchical level-based internet protocol multicasting	370/389	370/395.1	
☒	☐	US 20020143795 A1	20021003	19	Improved method and system of computer file management	707/200		
☒	☐	US 5864875 A	19990126	224	Data management system for problems, releases and parts	707/200	707/10; 707/201; 707/203; 707/8	update part vends
☒	☐	US 5608865 A	19970304	84	Stand-in Computer file server providing fast recovery from computer file server failures	714/1	707/200; 714/6	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	Cheng, Matthew et al.	☐	☐	☐	☐	☐	☐	☐	US 20020150094	☐
2	Fletcher, Thomas O.P. et al.	☐	☐	☐	☐	☐	☐	☐	US 20020143795	☐
3	Van Huben, Gary Alan et al.	☐	☐	☐	☐	☐	☐	☐	US 5864875	☐
4	Midgely, Christopher W. et al.	☐	☐	☐	☐	☐	☐	☐	US 5608865	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
1	☒	☐	US 20030058277 A1	20030327	303	A VIEW CONFIGURER IN A PRESENTATION SERVICES PATTERNS ENVIRONMENT	345/765		
2	☒	☐	US 6640249 B1	20031028	280	Presentation services patterns in a netcentric environment	709/228	709/315	
3	☒	☐	US 6640244 B1	20031028	281	Request batcher in a transaction services patterns environment	709/207	707/10; 709/101; 709/313	
4	☒	☐	US 6640238 B1	20031028	284	Activity component in a presentation services patterns environment	709/201	709/203; 709/223; 709/224	
5	☒	☐	US 6636242 B2	20031021	280	View configurer in a presentation services patterns environment	345/764	345/733; 345/744; 345/762; 345/765	
6	☒	☐	US 6615253 B1	20030902	280	Efficient server side data retrieval for execution of client side applications	709/219	707/100; 711/118	
7	☒	☐	US 6615199 B1	20030902	281	Abstraction factory in a base services pattern environment	706/50		
8	☒	☐	US 6615166 B1	20030902	326	Prioritizing components of a network framework required for implementation of technology	703/27	703/26; 709/220; 709/223; 709/231; 709/316; 717/140	
9	☒	☐	US 6606660 B1	20030812	280	Stream-based communication in a communication services patterns environment	709/227		
10	☒	☐	US 6601234 B1	20030729	282	Attribute dictionary in a business logic services environment	717/108	705/7; 717/107; 717/116	
11	☒	☐	US 6601192 B1	20030729	286	Assertion component in environment services patterns	714/38		

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	BOWMAN-AMUAH, MICHEL K.	☐	☐	☐	☐	☐	☐	☐	US 20030058277	☐
2	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6640249	☐
3	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6640244	☐
4	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6640238	☐
5	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6636242	☐
6	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6615253	☐
7	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6615199	☐
8	Guheen, Michael F. et al.	☐	☐	☐	☐	☐	☐	☐	US 6615166	☐
9	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6606660	☐
10	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6601234	☐
11	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐	US 6601192	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
12	☒	☐	US 6578068 B1	20030610		Load balancer in environment services patterns	709/203	709/105; 709/226	
13	☒	☐	US 6571282 B1	20030527		Block-based communication in a communication services patterns environment	709/219	707/10; 709/203; 709/329	
14	☒	☐	US 6550057 B1	20030415		Piecemeal retrieval in an information services patterns environment	717/126	700/80; 707/5; 717/101; 717/102; 717/108; 717/109; 717/113	
15	☒	☐	US 6549949 B1	20030415		Fixed format stream in a communication services patterns environment	709/236	709/246	
16	☒	☐	US 6539396 B1	20030325		Multi-object identifier system and method for information service pattern environment	707/103R	707/101; 707/102; 707/103X; 707/202; 707/203; 711/118	
18	☒	☐	US 6529948 B1	20030304	280	Multi-object fetch component	709/217	709/219	
17	☒	☐	US 6536037 B1	20030318		Identification of redundancies and omissions among components of a web based architecture	717/151	703/2; 709/231	
19	☒	☐	US 6529909 B1	20030304		Method for translating an object attribute converter in an information services patterns environment	707/10	707/1	
20	☒	☐	US 6519571 B1	20030211		Dynamic customer profile management	705/14		

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
12	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
13	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
14	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
15	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
16	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
17	Guheen, Michael F et al.	☐	☐	☐	☐	☐	☐	☐		☐
18	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
19	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
20	Guheen, Michael F. et al.	☐	☐	☐	☐	☐	☐	☐		☐

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
☒	☐	US 6502213 B1	20021231		System, method, and article of manufacture for a polymorphic exception handler in environment services patterns	714/49	710/266; 710/268; 710/269	
☒	☐	US 6496850 B1	20021217		Clean-up of orphaned server contexts	709/203	707/102; 709/224; 709/228	
☒	☐	US 6477665 B1	20021105		System, method, and article of manufacture for environment services patterns in a netcentric environment	714/39	712/244	
☒	☐	US 6477580 B1	20021105		Self-described stream in a communication services patterns environment	709/231	709/236	
☒	☐	US 6473794 B1	20021029		System for establishing plan to test components of web based framework by displaying pictorial representation and conveying indicia coded components of existing network framework	709/223	709/224	
☒	☐	US 6442748 B1	20020827		System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment	717/108	707/103R; 707/104.1; 707/9; 709/316	
☒	☐	US 6438594 B1	20020820		Delivering service to a client via a locally addressable interface	709/225	709/203; 709/217; 709/250	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
21	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
22	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
23	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
24	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
25	Guheen, Michael F. et al.	☐	☐	☐	☐	☐	☐	☐		☐
26	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
27	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
☒	☐	US 6434628 B1	20020813		Common interface for handling exception interface name with additional prefix and suffix for handling exceptions in environment services patterns	714/48	714/1; 714/15	
☒	☐	US 6434568 B1	20020813		Information services patterns in a netcentric environment	707/103R	707/10; 709/203	
☒	☐	US 6339832 B1	20020115		Exception response table in environment services patterns	714/35	710/266; 710/48; 714/50	
☒	☐	US 6332163 B1	20011218		Method for providing communication services over a computer network system	709/231	709/217; 709/223; 709/227; 709/329	
☒	☐	US 6289382 B1	20010911		System, method and article of manufacture for a globally addressable interface in a communication services patterns environment	709/226		

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Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
28	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
29	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
30	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
31	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐
32	Bowman-Amuah, Michel K.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
1	☒	☐	US 20030195949 A1	20031016	21	Methods and systems for obtaining computer software via a network	709/219	709/222; 717/176	
2	☒	☐	US 20020129094 A1	20020912	48	Software and method for automatically sending a data object that includes user demographics	709/203		
3	☒	☐	US 20020124055 A1	20020905	46	Software and method for automatically pre-fetching additional data objects referenced by a first data object	709/218		
4	☒	☐	US 20020095454 A1	20020718	126	Communications system	709/201	707/10; 707/203; 707/204; 709/212; 709/228; 709/242; 709/244	
5	☒	☐	US 20020073106 A1	20020613	26	Intelligent data inventory and asset management system method and apparatus	707/200		
6	☒	☐	US 20020069282 A1	20020606	48	Method and system for distributing updates	709/227	709/228; 710/10; 710/11; 710/8	
7	☒	☐	US 20020016956 A1	20020207	12	Method and system for identifying and obtaining computer software from a remote computer	717/170		
8	☒	☐	US 20010042112 A1	20011115	22	Methods and systems for obtaining computer software via a network	709/220		

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	Slivka, Benjamin W. et al.	☐	☐	☐	☐	☐	☐	☐	US 20030195949	☐
2	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 20020129094	☐
3	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 20020124055	☐
4	Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 20020095454	☐
5	Parker, James A. et al.	☐	☐	☐	☐	☐	☐	☐	US 20020073106	☐
6	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 20020069282	☐
7	Fawcett, Philip E.	☐	☐	☐	☐	☐	☐	☐	US 20020016956	☐
8	Slivka, Benjamin W. et al.	☐	☐	☐	☐	☐	☐	☐	US 20010042112	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
9	☒	☐	US 6611862 B2	20030826	50	User station software that controls transport and presentation of content from a remote source	709/217	705/1; 705/6; 707/10; 707/1; 709/206; 709/215; 709/219; 709/227; 709/229; 709/230; 710/1	
10	☒	☐	US 6594692 B1	20030715	55	Methods for transacting electronic commerce	709/219	705/26; 709/203; 709/225	
11	☒	☐	US 6557054 B2	20030429	60	Method and system for distributing updates by presenting directory of software available for user installation that is not already installed on user station	710/33	709/206; 709/219; 709/221; 709/229; 710/16; 710/19; 713/1; 713/100; 713/2	
12	☒	☐	US 6366930 B1	20020402	19	Intelligent data inventory & asset management systems method and apparatus	707/203	707/101; 707/204; 707/6	
13	☒	☐	US 6345288 B1	20020205	121	Computer-based communication system and method using metadata defining a control-structure	709/201	707/1; 707/10; 707/102; 707/104.1; 709/200; 709/203; 709/212; 709/216; 709/227; 709/229	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
9	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 6611862	☐
10	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 6594692	☐
11	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 6557054	☐
12	Parker, James A. et al.	☐	☐	☐	☐	☐	☐	☐	US 6366930	☐
13	Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 6345288	☐

u	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
☒	☐	US 6327617 B1	20011204	14	Method and system for identifying and obtaining computer software from a remote computer	709/219	713/100; 717/173	
☒	☐	US 6256668 B1	20010703	22	Method for identifying and obtaining computer software from a network computer using a tag	709/220	707/10; 707/104.1;	
☒	☐	US 6088717 A	20000711	128	Computer-based communication system and method using metadata defining a control-structure	709/201	707/203; 707/204; 709/212; 709/227; 709/229; 709/242; 709/244	
☒	☐	US 6073214 A	20000606	16	Method and system for identifying and obtaining computer software from a remote computer	711/133	711/156; 711/170; 717/170; 717/173	
☒	☐	US 6049671 A	20000411	22	Method for identifying and obtaining computer software from a network computer	717/173		
☒	☐	US 5862325 A	19990119	130	Computer-based communication system and method using metadata defining a control structure	709/201	704/270.1;	
☐	☐	US 5845077 A	19981201	13	Method and system for identifying and obtaining computer software from a remote computer	709/221	717/173	

Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
14 Fawcett, Philip E.	☐	☐	☐	☐	☐	☐	☐	US 6327617	☐
15 Slivka, Benjamin W. et al.	☐	☐	☐	☐	☐	☐	☐	US 6256668	☐
16 Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 6088717	☐
17 Fawcett, Philip E.	☐	☐	☐	☐	☐	☐	☐	US 6073214	☐
18 Slivka, Benjamin W. et al.	☐	☐	☐	☐	☐	☐	☐	US 6049671	☐
19 Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 5862325	☐
20 Fawcett, Philip E.	☒	☐	☐	☐	☐	☐	☐	US 5845077	☐

L Number	Hits	Search Text	DB	Time stamp
1	289	"SOFTWARE PRODUCT" WITH VERSION	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 10:35
2	3515	DIRECTOR$3 WITH PATH	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 10:35
3	33	("SOFTWARE PRODUCT" WITH VERSION) AND (DIRECTOR$3 WITH PATH)	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 10:35
4	6	(("SOFTWARE PRODUCT" WITH VERSION) AND (DIRECTOR$3 WITH PATH)) AND TIMESTAMP	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 10:37
5	3921	UPDAT$3 WITH DIRECTOR$3	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 10:38
7	0	((("SOFTWARE PRODUCT" WITH VERSION) AND (DIRECTOR$3 WITH PATH)) AND (UPDAT$3 WITH DIRECTOR$3)) AND CHRONOLOGICAL	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 10:38
6	20	(("SOFTWARE PRODUCT" WITH VERSION) AND (DIRECTOR$3 WITH PATH)) AND (UPDAT$3 WITH DIRECTOR$3)	USPAT; US-PGPUB; EPO; IBM_TDB	2003/10/31 10:38

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
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4	☒	☐	US 20020095454 A1	20020718	126	Communications system	709/201	707/10; 707/203; 707/204; 709/212; 709/228; 709/242; 709/244	
5	☒	☐	US 20020073106 A1	20020613	26	Intelligent data inventory and asset management system method and apparatus	707/200		
6	☒	☐	US 20020069282 A1	20020606	48	Method and system for distributing updates	709/227	709/228; 710/10; 710/11; 710/8	
7	☒	☐	US 20020016956 A1	20020207	12	Method and system for identifying and obtaining computer software from a remote computer	717/170		
8	☐	☐	US 20010042112 A1	20011115	22	Methods and systems for obtaining computer software via a network	709/220		

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1	Slivka, Benjamin W. et al.	☐	☐	☐	☐	☐	☐	☐	US 20030195949	☐
2	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 20020129094	☐
3	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 20020124055	☐
4	Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 20020095454	☐
5	Parker, James A. et al.	☐	☐	☐	☐	☐	☐	☐	US 20020073106	☐
6	Reisman, Richard R.	☐	☐	☐	☐	☐	☐	☐	US 20020069282	☐
7	Fawcett, Philip E.	☐	☐	☐	☐	☐	☐	☐	US 20020016956	☐
8	Slivka, Benjamin W. et al.	☒	☐	☐	☐	☐	☐	☐	US 20010042112	☐

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☐	☐	US 6594692 B1	20030715	55	Methods for transacting electronic commerce	709/219	709/206; 709/219; 709/221; 709/229; 709/225	
☐	☐	US 6557054 B2	20030429	60	Method and system for distributing updates by presenting directory of software available for user installation that is not already installed on user station	710/33	710/16; 710/19; 710/4; 713/1; 713/100; 713/2	
☐	☐	US 6366930 B1	20020402	19	Intelligent data inventory & asset management systems method and apparatus	707/203	707/101; 707/204; 707/6	
☒	☐	US 6345288 B1	20020205	121	Computer-based communication system and method using metadata defining a control-structure	709/201	707/1; 707/10; 707/102; 707/104.1; 709/200; 709/203; 709/212; 709/216; 709/227; 709/229	

Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
9	Reisman, Richard R.	☒	☐	☐	☐	☐	☐	☐	US 6611862	☐
10	Reisman, Richard R.	☒	☐	☐	☐	☐	☐	☐	US 6594692	☐
11	Reisman, Richard R.	☒	☐	☐	☐	☐	☐	☐	US 6557054	☐
12	Parker, James A. et al.	☒	☐	☐	☐	☐	☐	☐	US 6366930	☐
13	Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 6345288	☐

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☒	☐	US 6256668 B1	20010703	22	Method for identifying and obtaining computer software from a network computer using a tag	709/220	707/10; 707/104.1;	
☒	☐	US 6088717 A	20000711	128	Computer-based communication system and method using metadata defining a control-structure	709/201	707/203; 707/204; 709/212; 709/227; 709/229; 709/242; 709/244	
☐	☐	US 6073214 A	20000606	16	Method and system for identifying and obtaining computer software from a remote computer	711/133	711/156; 711/170; 717/170; 717/173	
☐	☐	US 6049671 A	20000411	22	Method for identifying and obtaining computer software from a network computer	717/173	704/270.1;	
☒	☐	US 5862325 A	19990119	130	Computer-based communication system and method using metadata defining a control structure	709/201	707/203; 707/204; 709/212; 709/228; 709/242; 709/244	
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	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
14	Fawcett, Philip E.	☒	☐	☐	☐	☐	☐	☐	US 6327617	☐
15	Slivka, Benjamin W. et al.	☐	☐	☐	☐	☐	☐	☐	US 6256668	☐
16	Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 6088717	☐
17	Fawcett, Philip E.	☒	☐	☐	☐	☐	☐	☐	US 6073214	☐
18	Slivka, Benjamin W. et al.	☒	☐	☐	☐	☐	☐	☐	US 6049671	☐
19	Reed, Drummond Shattuck et al.	☐	☐	☐	☐	☐	☐	☐	US 5862325	☐
20	Fawcett, Philip E.	☒	☐	☐	☐	☐	☐	☐	US 5845077	☐

Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 09967053   **Filing Dt:** 09/27/2001   **Patent #:** NONE   **Issue Dt:**

PCT #: NONE   **Publication #:** NONE   **Pub Dt:**

Inventor: Guillermo Ruizandrade

Title: Method and system for server based software product release version tracking

Assignment: 1

Reel/Frame: 012218/0584   **Received:** 10/10/2001   **Recorded:** 09/27/2001   **Mailed:** 12/07/2001   **Pages:** 2

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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